

Application Serial No. 10/541,014
Reply to office action of February 18, 2009

MAY 18 2009

PATENT
Docket: CU-4290

Amendments To The Claims

The listing of claims presented below will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1. (original) A method of manufacturing a safety helmet, the method comprising:
molding a liner, which has an inner space and an opening at its lower portion in order to allow a user's head to be put into the safety helmet, using a thermoplastic resin;
covering the outside of the liner with a reinforced fiber sheet formed using a textile or a non-woven fabric made of high-strength fiber and high elastic fiber;
preparing a mold having a concave molding side and disposing the liner in the mold upside down such that the reinforced fiber sheet is positioned between the molding side and the liner;
injecting a thermosetting resin between the liner and the molding side and hardening the thermosetting resin; and
detaching the hardened thermosetting resin from the mold.
2. (currently amended) A safety helmet comprising:
a shell, which is manufactured by a method comprising molding a liner, which has an inner space and an opening at its lower portion in order to allow a user's head to be put into the safety helmet, using a thermoplastic resin; covering the outside of the liner with a reinforced fiber sheet formed using a textile or a non-woven fabric made of high-strength fiber and high elastic fiber; preparing a mold having a concave molding side and disposing the liner in the mold upside down such that the reinforced fiber sheet is positioned between the molding side and the liner; injecting a thermosetting resin between the liner and the molding side and hardening the thermosetting resin; and detaching the hardened thermosetting resin from the mold; **[[and]]**
a cushion pad, which is attached to the inside of the liner in order to alleviate external shock to the user's head **and comprises a plurality of head supports which extend toward the inner space and contact the user's head; and**
a guide surface having a slant declining forward from a back rim of the

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opening, in order to guide air flow near the opening inside the safety helmet.

3-4. (cancelled)

5. (new) The safety helmet of claim 2, further comprising a protrusion protruding to slant downward from a back rim of the opening towards the user, wherein the guide surface is provided on a top surface of the protrusion.